This document is the translation of the French certificate n° 16-00226 L on the 16th February, 2016 delivered by IFTH.

MATERIAL REACTION TO FIRE CLASSIFICATION REPORT

prepared in compliance with amended 5 of the French Home Office Regulation dated November 21st , 2002 (Official Gazette dated December 31, 2002)

Valid five years from issue date

CERTIFICATE N° 16-00226 L

And appendices of 6 pages

MATERIAL presented by :	SERGE FERRARI BP 54 38352 LA TOUR DU PIN CEDEX FRANCE
TRADE NAME :	251
BRIEF DESCRIPTION :	Polyester fabric coated on both sides with flame retardant PVC Nominal surface weight : 325 g/m² Nominal thickness : 0.32 mm Colours : white/white – white/black
TEST REPORT :	N° 16-00226 $_{E1\text{-}V1}$ on the 16th February, 2016
TESTS :	Electrical burner test Flame persistence test Dripping test
CLASSIFICATION :	**M 1**

CLASSIFICATION DURATION (article 5 of appendix 2): **unlimited unless otherwise specified**

given the criteria resulting from the tests described in the enclosed test report.
The classification indicated does not mean that materials marketed comply with the test samples and must not be considered as a qualification certificate as defined by French law dated June 3, 1994.

N.B.: Only integral copies of this document may be made by photocopying the classification report and/or the classification report and enclosed test report.

Issued in Lyon, France on the 16th February, 2016

Head of Quality Management Test and trials
Jean-Marc ORAISON

cofrac
ESSAIS
ACCREDITATION N° 1-0101 et N° 1-0513 PORTÉE COMMUNIQUÉE SUR DEMANDE

Ecully, 16/02/2016

SERGE FERRARI
Mme MERILLON Catherine
BP 54
38352 LA TOUR DU PIN CEDEX
FRANCE

IFTH reference : DL160114-008

TEST REPORT N° 16-00226 E1 - V1

This report shall only be reproduced in full

PURPOSE OF THE REQUEST

Customer reference : /

Purchase order : bon de commande 4500035541

Subject : Réaction au feu

Date of request : 13/01/2016

Samples supplied on : 19/01/2016

N° CE/CL :

N° CQ :

SAMPLE(S) REFERENCE(S)

16-00226-001 : 251

DETAILS OF RESULTS

16-00226-001	251

Buildings material - Reaction to fire - Electrical burner test
NF P 92-503 (Décembre 1995)

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests : (23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens : 4
Testing location : Mazamet
Date of the test : 10/02/2016

RESULTS

Specimen 1

specimen tested	Black/White (black)
Side tested	Front side
Direction tested	Production direction
Times of ignitions (in s)	20
Durations of ignitions (in s)	1
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	159
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 2

specimen tested	White/White
Side tested	Back side
Direction tested	Production direction
Times of ignitions (in s)	0
Durations of ignitions (in s)	0
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	180
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 3

specimen tested	White/White
Side tested	Front side
Direction tested	Cross direction
Times of ignitions (in s)	20
Durations of ignitions (in s)	1
Fall of not ardent drops	Yes
Fall of ardent drops	No
Fall of fragment fired	No
Carbonized length (in mm)	205
Afterglow with spread on more than 25 cm (in mm)	No

Specimen 4

specimen tested	Black/White (white)
Side tested	Back side
Direction tested	Cross direction
Times of ignitions (in s)	20
Durations of ignitions (in s)	5
Fall of not ardent drops	Yes
Fall of ardent drops	No

Fall of fragment fired	No
Carbonized length (in mm)	222
Afterglow with spread on more than 25 cm (in mm)	No
Average of carbonized lengthes (in mm)	**192**
Drilling by fusion without ignition or with ignition less than 5 s	**Yes**
Maximum duration of ignition (in s)	**5**
Fall of ardent drops or fragment fired	**No**
Afterglow with spread on more than 25 cm (in mm)	**No**

DETAILS OF RESULTS

16-00226-001	251

Buildings material - Reaction to fire - Flame persistance test and speed of the spread of flame.
NF P 92-504 (Décembre 1995)

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests : (23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens : 4
Testing location : Mazamet
Date of the test : 10/02/2016

RESULTS

Specimen 1

Specimen tested	White/White
Side tested	Front side
Direction tested	Production direction
Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0/0
Fall of not ardent drops	No
Fall of ardent drops	No

Specimen 2

Specimen tested	Black/White (white)
Side tested	Back side
Direction tested	Production direction
Durations of inflammations (in s)	0/0/0/0/1/1/0/0/0/0
Fall of not ardent drops	No
Fall of ardent drops	No

Specimen 3

Specimen tested	Black/White (black)
Side tested	Front side
Direction tested	Cross direction
Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0/0
Fall of not ardent drops	No
Fall of ardent drops	No

Specimen 4

Specimen tested	White/White
Side tested	Back side
Direction tested	Cross direction
Durations of inflammations (in s)	0/0/0/0/0/0/0/0/0/0
Fall of not ardent drops	No
Fall of ardent drops	No

Maximum duration of ignition (in s)	**1**
Fall of ardent drops or fragment fired	**No**

DETAILS OF RESULTS

16-00226-001	251

Buildings material - Reaction to fire - Dripping test.
NF P 92-505 (Décembre 1995)

Test carried out according to COFRAC accreditation

PROCESS CONDITIONS

Conditioning of specimens before tests : (23 ± 2)° C and (50 ± 5) % RH during minimum 7 days
Number of tested specimens : 4
Testing location : Mazamet
Date of the test : 15/02/2016

RESULTS

Specimen 1		
	Specimen tested	White/White
	Times of ignitions (in s)	11/27/40/87/100/115
	Durations of ignitions (in s)	11/5/5/7/5/8
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
	Ignition of cotton	No
Specimen 2		
	Specimen tested	White/White
	Times of ignitions (in s)	33/44/70/87/106/139
	Durations of ignitions (in s)	7/14/7/6/8/7
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
	Ignition of cotton	No
Specimen 3		
	Specimen tested	Black/White
	Times of ignitions (in s)	17/35/50/67/88/99/112/122/139/160/187/198
	Durations of ignitions (in s)	13/10/11/12/8/6/4/7/7/8/5/22
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
	Ignition of cotton	No
Specimen 4		
	Specimen tested	Black/White
	Times of ignitions (in s)	14/32/47/61/75/96/119/139/157/179/198/218/232/251/282
	Durations of ignitions (in s)	13/11/8/10/13/13/10/11/17/11/11/3/4/8/10
	Fall of not ardent drops	Yes
	Fall of ardent drops	No
	Ignition of cotton	No
	At least one sample ignited cotton	**No**

SAMPLE DESCRIPTION ANNOUNCED BY THE CLIENT

16-00226-001	251
Composition	Tissu polyester enduit de PVC ignifugé dans la masse sur les deux faces / Polyester fabric coated with PVC on both sides fireproofed in the mass
Mass per unit area	325 g/m²
Thickness	0.32 mm
Color	Blanc/Blanc (White/White) - Blanc/Noir (White/Black)
Test requested by	SERGE FERRARI
Name and address of the producer	SERGE FERRARI ZONE INDUSTRIELLE BP54 38352 LA TOUR DU PIN FRANCE
Name and address of the supplier	SERGE FERRARI ZONE INDUSTRIELLE BP54 38352 LA TOUR DU PIN FRANCE

Jean Marc ORAISON
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ESSAIS
Accréditation N° :
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Mazamet 1-0513
Mulhouse 1-0241
Saint Etienne 1-5688
Troyes 1-0110
Tourcoing 1-0071

Number of pages : 6 Appendices : 0

* End of report *